

Title (en)
DETERMINATION OF FLUID PARAMETERS

Title (de)
BESTIMMUNG VON FLUIDPARAMETERN

Title (fr)
DÉTERMINATION DE PARAMÈTRES DE FLUIDE

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Abstract (en)
[origin: WO2015075278A1] A method for determining fluid parameters, such as a heat capacity c_{pp} , a calorific value H_p , a methane number MN , and/or a Wobbe index WI , of an unknown fluid (g). An unknown flow (55) of the fluid (g) is set in a sensor device (10), the sensor device (10) comprising a thermal flow sensor (1) and a pressure sensor device (15) for measuring at least one temperature value T_1 , T_2 , a further parameter, and differential pressure value Δp over a flow restrictor (14). Using these measurement parameters T_1 , T_2 , Δp and calibration data, the calorific value H_p , and/or the Wobbe index WI , or parameters indicative thereof, of an unknown fluid (g) are calculated. The invention also relates to such a sensor device (10) and to a computer program product for carrying out such a method.

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